

Moplen EP540N

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

High Crystalline Polypropylene Impact Copolymer Resin

Features:

High stiffness / high impact strength

20% higher rigidity than conventional copolymer

Good impact resistance

High dimensional stability

Applications:

Electrical appliances such as refrigerator and washing machine parts

Automotives

Containers

Toys

Housewares

Closures

General Information			
UL YellowCard	E205299-228165		
Features	Rigidity, high		
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	Crystallization		
	Impact copolymer		
	Impact resistance, high		
Uses	Electrical appliances		
	Household goods		
	Application in Automobile Field		
	Container		
	Shell		
	Toys		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1540	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

110

°C

ASTM D648

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